

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-172019

(43)Date of publication of application : 29.06.1999

(51)Int.Cl.

C08J 5/18

B32B 7/02

B32B 27/30

C08K 7/16

C08L 33/12

F21V 1/22

(21)Application number : 09-340234

(71)Applicant : ASAHI CHEM IND CO LTD

(22)Date of filing : 10.12.1997

(72)Inventor : SAKURABA KENJI

(54) ACRYLIC RESIN SHEET HAVING EXCELLENT LIGHT DIFFUSIVITY AND LIGHTING COVER

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a resin sheet having excellent light diffusivity, light transmittance, light resistance, and surface feeling and being desirable for lighting by compounding a methacrylic resin with spherical crosslinked polystyrene particles having a specified mean particle diameter, spherical crosslinked organic particles having a specified mean particle diameter and an inorganic light diffusing agent having a specified mean particle diameter in a specified ratio.

SOLUTION: This sheet is made from a resin composition comprising (A) 100 pts.wt. (meth) acrylic resin, (B) 0.1-0.9 pt.wt. spherical crosslinked polystyrene particles having a means particle diameter of 1 or below 5 μm , (C) 0.1-10 pts.wt. at least one member selected from spherical crosslinked organic particles having a mean particle diameter of 1-20 μm , and (D) 0.1-10 pts.wt. at least one member selected from inorganic light diffusing agents having a mean particle diameter of below 1 μm or of 8 μm or above. Component C is desirably properly spherical crosslinked siloxane resin particles. Component D is exemplified by calcium carbonate, barium sulfate, titanium oxide or talc.